

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** February 16, 2005

**Inspector:** Diana Walden, Don Ukers (BSC), Brian Sakidovitch (BSC)

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** The area received approx. 0.94 to 1.36 inches of precipitation between 2/14-2/16 since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> <li>- The sediment has been cleared from the inlet near the Route 7 ramp and the silt fence was repaired. The degraded haybale was removed. 2/16/05</li> <li>- Silt from the erosion and run-off is noticeable within the earthen swale and the area will require revegetation in the growing season. 2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>-Silt fence repair and removal of sediment has been completed. A new haybale could be installed here to help filter future sediment loads 2/16/05.</li> <li>Continue to monitor inlet and surrounding area and maintain these controls as necessary to prevent sedimentation and stormwater issues. 2/16/05</li> <li>- The earthen swale and surrounding area is still bare soil and should continue to be monitored and may require additional stabilization in the future. 12/30-2/16/05</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>-No major work has occurred on the GIS building since the last inspection. 2/9-2/16/05</li> <li>-Stockpiles near wall 2 are being actively added to and worked but are well within the site and is contained by the wall. 2/2-2/16/05.</li> <li>- Excavation work continues on conduit banks and manholes in the expansion area to the south of wall 3 as well as in the existing charged area. Soil stockpiles are well within the yard. 2/2-2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 2/16/05</li> <li>- Areas are contained, none at this time. 2/16/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> <li>-Some trenches and pits are being backfilled at this time 2/16/05</li> <li>- Oil collectors and separators are also being installed near the GIS building. 2/9-2/16/05</li> </ul>	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- The silt fence remains at the ends of the overflow channel where vegetative has not fully established. 12/16-2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to be proactive in silt fence repair and maintenance where needed.</li> </ul>
	<ul style="list-style-type: none"> <li>-The overflow channel continues to work well and has flowing water at this time due to recent rainfall. 2/16/05.</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 2/16/05</li> </ul>
	<ul style="list-style-type: none"> <li>- The flared inlet near the Rt 7 ramp has been cleared of sediment and the silt fence was repaired. It is receiving obvious stormwater flows from off site roadway and on site sources. 2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor until stabilized as the surrounding area is still bare soil. Until vegetative cover establishes, the potential for sedimentation in this area remains. 1/27-2/16/05</li> </ul>
	<ul style="list-style-type: none"> <li>- Active work with concrete has resumed on site and concrete washouts are being concentrated in either the designated pit area or a lower pit/excavation area. 2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to use these areas for all concrete washouts, wheel and equipment washings. 2/16/05</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04</li> </ul>	<ul style="list-style-type: none"> <li>-None at this time. Continue to monitor.</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04</li> </ul>	<ul style="list-style-type: none"> <li>- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
Dewatering	- Dewatering is not necessary at this time. 2/16/05	-None at this time. 2/16/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> <li>- There were no reportable spills during the week or observed during inspection. 2/16/05</li> <li>- The Galion boom hoist showed no signs of leaks during this inspection and the spots of fluid had been removed. 2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</li> <li>- Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations	<ul style="list-style-type: none"> <li>- Construction activities on the bridge on Broad Street to the north have ended and the bridge is in active use. 2/9/05</li> <li>- The island or bank on which the bridge footing was located is still mostly bare of vegetation but has some erosion control.</li> </ul>	<ul style="list-style-type: none"> <li>- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-2/16/05</li> </ul>

**Next likely scheduled inspection:**

Wednesday, February 23, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden

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**Date:** February 16, 2005

**Inspector:** Diana Walden, Don Ukers (BSC), Brian Sakidovitch (BSC)

**Location:** Plumtree Substation Expansion , Bethel

**Storm/**

**Rain Event** The area received approx. 0.94 to 1.36 inches of precipitation between 2/14-2/16 since the last inspection as reported by NOAA

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 2/16/05	- None at this time.
Foundation construction	-The major work of connecting the equipment on the constructed slab to the existing equipment is on-going. Several excavations around the slab to conduit banks are active. 2/16/05  - The cable trenches near the trailers have been poured and backfilled for the most part. There is some minor excavation near the control building. 2/16/05	- The areas are still contained at this time. From the gradient, it does not appear sedimentation beyond the fence will be an issue but small pockets of pooling water require reinforcement of the berm here. The berm reinforcement should occur sometime this week now that snow cover is temporarily gone. 2/16/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are muddy. Some minor areas of pooling water by the eastern perimeter fence where the stone perimeter berm is not as high may potentially cause a small spillover of stormwater or meltwater run-off. 2/16/05	- Although the gradient of the site would typically drain water from this area, small isolated spots had pooled and could potentially run off site. Gravel should be placed here this week to reinforce the berm which is low in this spot. 2/16/05

Areas of Inspection	Observation	Recommended Action
	- The pile of plowed snow was pulled back from the wetland edge and the sediment was spread back in the existing driveway. However, a second pile on the other side of the driveway is also in a similar situation at the edge of the wetland. 2/16/05	- The second pile was not observed during last week's inspection because of parked vehicles but it should be removed in the same way by spreading it across the driveway to keep the sediments out of the wetland. 2/16/05
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day and the stone perimeter berm is well in place and contains the yard. 2/16/05	-All stockpiles are well-contained and the berm is working well at this time with the exception of the area previously mentioned. 2/16/05
	- Portions of the stockpiles of soil are still being actively worked. A majority of the soil has been removed to appropriate off-site locations. 2/16/05	-Continue to keep piles which are still on-site, covered/protected with plastic. 2/16/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no sedimentation. However, the second plowed pile of snow requires some attention. 2/16/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 2/16/05 - The second snow pile should also be pulled back from the wetland edge. 2/16/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Minor dewatering was required for some of the excavations adjacent to the slab. Water is being directed appropriately to the trap rock in the center of the yard. 2/16/05	- None at this time.

Areas of Inspection	Observation	Recommended Action
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> <li>- No drips or spills were reported for the week. 2/16/05</li> <li>- No spills or equipment drips were noted during the inspection. 2/16/05</li> <li>- The rainwater from the secondary containment bin was drained and filtered through an oil boom as requested to avoid an unmonitored spillover. 2/16/05</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations		

**Next likely scheduled inspection:**

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I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden



View of the continued excavation and backfill near wall #3. All soil remains well within the site.  
Photo from 2/9/05



View of soil stockpiles up by retaining wall 2. Photo from 2/9/05





Plumtree Substation: View of completed cable trench in foreground. The majority of the work now involves excavation near the concrete slab. Photo from 2/9/05



Stockpiles as they appeared on 2/9/05 have now been removed from the site for the most part with some minor backfill piles remaining.